

RECEIVABILITY OF SPACE NOTICES

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BR/SSD/SPR





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26-30 MAY 2014

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RECEIVABILITY OF THE NOTICES

- **Entry examination of the notice received by the Bureau**
 - Submission of information in electronic format (RES 55)
 - application of the Radio Regulations and Rules of Procedures (ROP) with respect to
 - *its completeness* (Annex 2 of AP 4) and *its correctness*
- *Result of the entry examination*
 - *Acknowledgment* by the Bureau
 - Confirmation of the Bureau registry date - establishment of the *formal regulatory date of receipt*

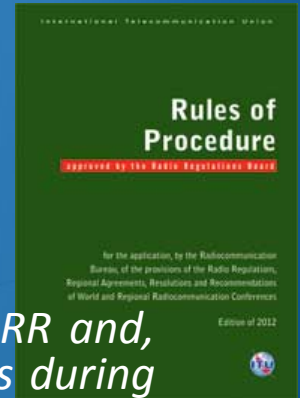
Resolution 55 (WRC-12)

- Resolves

- 1 that, as from 3 June 2000, all notices for satellite networks and earth stations submitted to the Radiocommunication Bureau pursuant to Articles 9 and 11 shall be submitted in electronic format compatible with the BR electronic notice form capture software (SpaceCap);

Basic ROP related to receipt of notices

- BR registry date



- §2 - *It is incumbent on all ADM to meet deadlines established in the RR and, accordingly, to take account of possible mail delays, holidays or periods during which ITU may be closed.*
- Having regard to the various means available for transmission and delivery of notices and other related correspondence:
 - Mail received through the postal service shall be recorded as received on the first working day (following the period of closure) on which it is delivered to the BR's office registry
 - E-mail or telefax documents shall be recorded as received on the actual date of receipt, irrespective of whether or not that is a working day at the BR's offices in Geneva
 - In the case of E-mails, an administration is required to send, within 7 days of the date of the E-mail, a confirmation by either telefax or mail which shall be regarded as being received on the same date as the original E-mail.

Basic ROP related to submission of the notices

- All mail must be sent to the following address:
Radiocommunication Bureau, ITU
Place des Nations, CH-1211 Geneva 20
Switzerland
- All telefaxes must be sent to: +41 22 730 5785 (several lines)
- All E-mail must be sent to: brmail@itu.int
- In case of E-mail submission a confirmation by telefax or letter is required from the Administration within 7 days of the date of the E-mail
- Administration shall not use the BR staff E-mail address for submission of their notices to the BR Registry.



Establishment of Date of Receipt (1)

- If a notice does not contain all of the mandatory information as defined in the AP 4 of the RR, or for example - the email from ADM is without attached data or a letter with an empty CD-ROM etc..., further processing of the notice will remain in abeyance and a date of receipt will not be established until the missing information is received
- If all mandatory data have been submitted and further clarification is required concerning the correctness of the mandatory data, the Bureau shall request the ADM to provide the clarification within 30 days
- If the information is received within the 30 days period, the original date of receipt is retained, otherwise, a new date of receipt will be established

Establishment of Date of Receipt (2)

- Nevertheless, for replies received within the above period of 30 days, a new formal date of receipt (and cost recovery) is established in those cases (or for the concerned part of the network) where the information submitted subsequently is outside the scope and beyond the objective of the Bureau's enquiry, if the new or modified data has impact on the regulatory and technical examination, irrespective of whether the newly provided information adds new affected administrations or not
- The Bureau is keeping any pending submission containing incomplete information for one year.

Establishment of Date of Receipt (3)

- When a Coordination request or Notification is communicated to the BR at the same time as the API, the formal date of receipt of this information is established as follows (No. 9.1) :
 - For the Assignments that require coordination under Sect II of Article 9
 - 6 months after the date of receipt of API
 - For the Assignments that do not require coordination under Sect II of Article 9
 - 6 months after the date of publication of API

List of “as received” under Res 55

- Res55 instructs the director of the BR:
 - to make available coordination requests and notifications referred to in resolves 1, “as received”, on its BR International Frequency Information Circular CD-ROM, within 30 days of receipt, and also on its website;
- These Coordination Requests or Notifications “as received” are distributed on the BR IFIC (Space services) DVD-ROM
- This information can also be monitored through the ITU website at: <http://www.itu.int/ITU-R/space/snl/>
- This advance version of the information received from the ADM with a date of receipt in the registry of the Bureau is not to be confused with the official publication of the relevant PART or Special section with a formal date of receipt which is yet to occur

Radio Regulations relating to receivability - API

- 9.2A If the information is found to be incomplete, the Bureau shall immediately seek from the administration concerned any clarification required and information not provided.
- 9.2B On receipt of the complete information sent under Nos. 9.1 and 9.2, the Bureau shall publish it in a Special Section of its BR IFIC within three months.....

API (1)

- Advance Publication Information (API) is obligatory, before coordination phase or notification
- No priority in being first to start advance publication
- Formal date of receipt of the API (No.9.1) starts the “regulatory clock”

API special section - 1



UNION INTERNATIONALE DES TÉLÉCOMMUNICATIONS
BUREAU DES RADIOCOMMUNICATIONS

INTERNATIONAL TELECOMMUNICATION UNION
RADIOCOMMUNICATION BUREAU

UNIÓN INTERNACIONAL DE TELECOMUNICACIONES
OFICINA DE RADIOCOMUNICACIONES

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RÉSEAU À SATELLITE SATELLITE NETWORK RED DE SATÉLITE		GBSAT-KA-02		SECTION SPÉCIALE N ^o SPECIAL SECTION No. SECCIÓN ESPECIAL N.º	API/A/8307
				BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA	2746 / 11.06.2013
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE	G	LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL	95 E	NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN	113540091
RENSEIGNEMENTS REÇUS PAR LE BUREAU LE / INFORMATION RECEIVED BY THE BUREAU ON / INFORMACIÓN RECIBIDA POR LA OFICINA EL					03.04.2013

Ces renseignements sont publiés par le Bureau des radiocommunications en application du No. 9.2B. Ils font l'objet de la (les) procédure(s) suivante(s), indiquée(s) ci-dessous par un X dans la case pertinente.

This information is published by the Radiocommunication Bureau in accordance with No. 9.2B. It is subject to the procedure(s) indicated below by an X in the relevant box.

Esta información se publica por la Oficina de Radiocomunicaciones en virtud del No. 9.2B. Está sujeta al (a los) procedimiento(s) siguiente(s), señalado(s) con una X en la casilla apropiada.

<input type="checkbox"/>	Les renseignements ont été reçus conformément à l'Article 9, sous-section IA Toute administration estimant que des brouillages inacceptables peuvent être causés à ses réseaux ou à ses systèmes à satellites existants ou en projet devra communiquer ses commentaires à l'administration qui a demandé la publication, <u>avec copie au Bureau des radiocommunications</u> , dans le délai de <u>quatre</u> mois qui suit la date de la présente publication.	The information has been received pursuant to Article 9, Sub-Section IA Any administration which believes that unacceptable interference may be caused to its existing or planned satellite networks or systems shall communicate its comments to the publishing administration, <u>with a copy to the Radiocommunication Bureau</u> , within <u>four</u> months after the date of this publication.	La información ha sido recibida de conformidad con el Artículo 9, sub-sección IA Toda administración que estime que pueden causarse interferencias inacceptables a sus redes o sistemas de satélites existentes o previstos comunicará sus comentarios a la administración que haya publicado la información, <u>con copia a la Oficina de Radiocomunicaciones</u> , en un plazo de <u>cuatro</u> meses contados a partir de la fecha de esta publicación.
DATE LIMITE POUR LA RÉCEPTION DES COMMENTAIRES EXPIRY DATE FOR THE RECEIPT OF COMMENTS FECHA LÍMITE PARA LA RECEPCIÓN DE LOS COMENTARIOS			
<input checked="" type="checkbox"/>	Les renseignements ont été reçus conformément à l'Article 9, sous-section IB Toute administration estimant que ses réseaux à satellite, ses systèmes à satellites ou ses stations de terre, selon le cas, existants ou en projet, sont affectés, peut envoyer ses observations à l'administration qui a demandé la publication des renseignements, avec copie au Bureau des radiocommunications.	The information has been received pursuant to Article 9, Sub-Section IB Any administration which considers that its existing or planned satellite systems or networks or terrestrial stations, as appropriate, are affected, may send its comments to the administration which has requested publication of the information, with a copy of such comments to the Radiocommunication Bureau.	La información ha sido recibida de conformidad con el Artículo 9, sub-sección IB Cualquier administración que considere que sus sistemas o redes de satélites o estaciones terrenales, según el caso, existentes o planificados se verán afectados, podrá comunicar sus comentarios a la administración que haya solicitado la publicación de la información, enviando una copia de dichos comentarios a la Oficina de Radiocomunicaciones.

Information aussi disponible sur le / Information also available on the / Información también disponible en:

Space Network Systems Online Service : <http://www.itu.int/sns/advpub.html>

API special section - 2

SECTION SPECIALE / SPECIAL SECTION / SECCIÓN ESPECIAL / 特节 / СПЕЦИАЛЬНАЯ СЕКЦИЯ / القسم الخاص

A A1a Sat. Network A1f1 Notifying adm. A1f3 Inter. sat. org. BR1 Date of receipt B
 BR6a/BR6b Id. no. BR3a Provision reference BR2 Adm. serial no.

A1f2 Submitted on behalf
 A4a1 Orbital long.

BR7a/BR7b Group id. B2 Emi-Rcp BR1 Date of receipt C2c RR No. 4.4

BR14 Special Section

A2b Period of valid.

BR60 Regulatory deadline(s) 11.44/11.44.1 9.5D

C1 Frequency Range			
C1a Lower limit		C1b Upper limit	
30	GHz	31	GHz

C4a Class of station

C4b Nature of service

C11a2 Service area

C11a3 Service area diagram

C11a4 Service area name

BR7a/BR7b Group id. B2 Emi-Rcp BR1 Date of receipt C2c RR No. 4.4

BR14 Special Section

A2b Period of valid.

BR60 Regulatory deadline(s) 11.44/11.44.1 9.5D

API (2)

- Relevant Rules of Procedure (ROP) on Receivability
 - 1: electronic filing (resolves 5 of RES55)
 - 3.2: completeness (Annex 2 of AP 4) and correctness of the information
 - 3.4: Administrations are encouraged to run the validation software themselves in order to overcome any difficulties in the notices before they are submitted to the Bureau.
- Select the proper notice type in Spacecap
 - coordination not required (non-GEO)
 - coordination required (GEO, non-GEO)
 - mixed

API (3)

- The use of an **additional frequency band** or **modification of the orbital location by more than $\pm 6^\circ$** for a space station using the geostationary-satellite orbit will require the application of the advance publication procedure for this band or orbital location, as appropriate (i.e. new date of receipt will be given)
- API will be suppressed if no request for coordination is submitted for the bands within 24 months from API receipt (No. 9.5D)

API (4)

- for API where coordination is not required by Section II of Article 9, the modification of the reference body or the modification of the direction of transmission for a space station using a non-GEO satellite orbit will require the application i.e. new date of receipt

Radio Regulations relating to receivability – CRC

- 9.34 On receipt of the complete information sent under No. 9.30 or No. 9.32 the Bureau shall promptly:
 - 9.35 a) examine that information with respect to its conformity with No. 11.31.....
- 9.40A If the information is found to be incomplete, the Bureau shall immediately seek from the administration concerned any clarification required and information not provided.

Coordination Request - CR (1)

- No. 9.1 - CR shall be considered as having been received not earlier than 6 months after date of reception of the API
- No. 9.2 - Check if the CR frequency bands are covered by the API. If no, will require the application of the API for this band and new CR date +6 months (and cost recovery)
- No. 9.2 - Check modification of the orbital position whether not more than +/-6 degrees vis-à-vis the API

Time Limit check of No. 9.5D – CR(2)

- Coordination information (No. 9.30) must be sent within 24 Months from the formal date of Receipt of API in BR
- BR sends a reminder (CT ITU), 3 months before the end of the regulatory date
- If received beyond the Time Limit, BR will cancel the API. If the administration wishes the Coordination information will be considered as a new API and Coordination data sent at the same time (RoP under No.9.5D)

Coordination Request - CR (3)

- Validation of graphical data
- ART 5 (Regional service area restrictions)
- AP4 and CR 58 and IFRB Circular Letter 769
- Steerable beams (No. 1.191, AP4 B.3.b)
- The maximum co-polar isotropic gain, in dBi is required where a steerable beam (see No. 1.191) is used
- Requirement for AG-GSO diagrams (AP4 B.3.e)
 - if the space station is operating in a band allocated in the Earth-to-space direction and in the space-to-Earth direction
- No. 21.16 – PFD limits for steerable beams
 - Check with respect to ROP

Radio Regulations relating to receivability – Notifications

- No. 11.27 : Notices not containing those characteristics specified in Appendix 4 as mandatory or required shall be returned with comments to help the notifying administration to complete and resubmit them, unless the information not provided is immediately forthcoming in response to an inquiry by the Bureau.

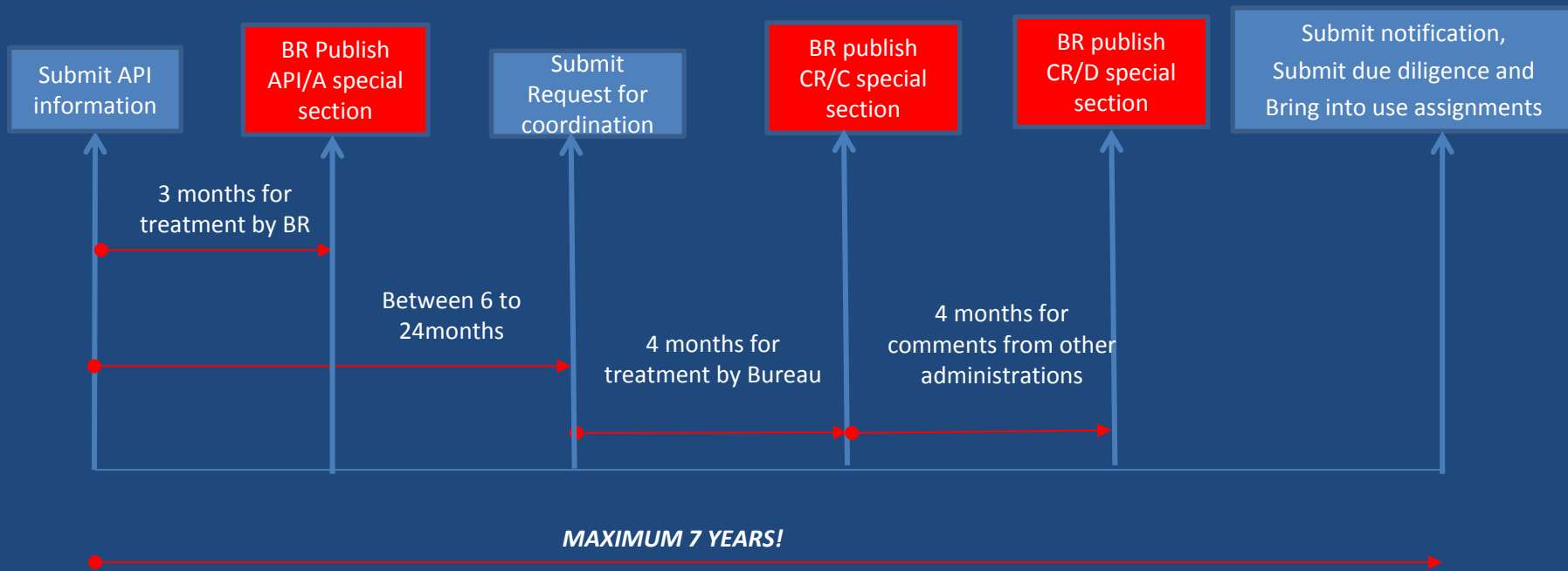
Notification for recording in the Master Register

- Notification not earlier than 3 years before dBiU (No. 11.25)
- Relevant AP4 data have to be provided – see No. 11.15 (WRC-07) – RES-55 apply. No more “only changes” to No. 9.29 (CR)
- ROP 4.3 multiple procedures (API – (C) – N): previously applicable procedures have to be effected
 - assignments that require coordination under Sect II of Article 9 is not supported by a publication of coordination request (CR/C)
 - assignments that do not require coordination under Sect II of Article 9 is not supported by an API
 - For earth station: associated space station supported by an API

Notification (2) - Publication of Complete Notification

- Complete notices are published in PART I-S of the BR IFIC (Space services) with the date of receipt. This publication shall constitute the acknowledgement to the notifying ADM of receipt of its notice.
- PART I-S notices will be used for further technical and regulatory examination by the Bureau

ITU Process for satellite network subject to coordination in Article 9 section II



Time Limit under RES49

- ADM shall submit Spacecraft Manufacturer and Launch Service provider details with frequency bands etc. before the time limit under No.11.44 (7 years from date of receipt of API);
or
- Before the date of bringing into use if notified earlier (para 12 of Annex 1 of RES49)
- In the absence of RES49 information beyond 7 years notice will become unreceivable; or provisional recording will be deleted and assignments will not be taken into account by BR and Administrations (para 11 of Annex 1 of RES49)
- BR Sends Reminders 6 month before this date

Time limit for resubmission (No.11.46)

- Date before which Notice has to be Resubmitted after return by the BR in the PART III-S under Nos.11.37/11.38
 - = Date stamped on the Return letter by BR + 6 months
- If resubmitted after 6 months it will be treated as first submission (cost recovery fee) and shall comply with provisions of No. 11.44.1
- The submission is accepted as valid first Notice ONLY within 7 year period
- If resubmitted after 6 months BR and period for submission under No. 11.44.1 of first notice has expired, BR advises to restart API procedure

Conclusions concerning time limits

- It is extremely important to keep track and to take action within the Time Limits for your networks.
- Valuable time will be lost (and cost recovery fee) in applying the procedure all over again if the time limits are not respected
- BR may send telefax and Circular Telegrams to remind administrations However, administrations should keep track of the regulatory Time Limit, on their own, without waiting for the reminder from BR
- The Board does not accept non-receipt of reminders as a good reason for consideration.

Receivability of space notices

Any questions?

Contact: chuen-chern.loo@itu.int